

FIG. I

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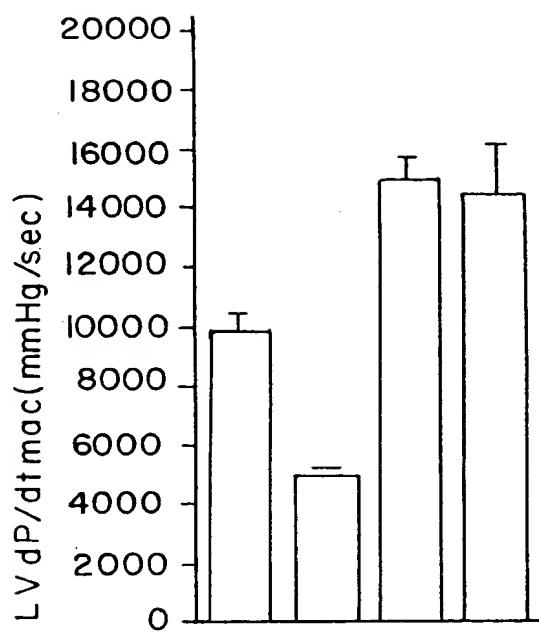


FIG. 2a

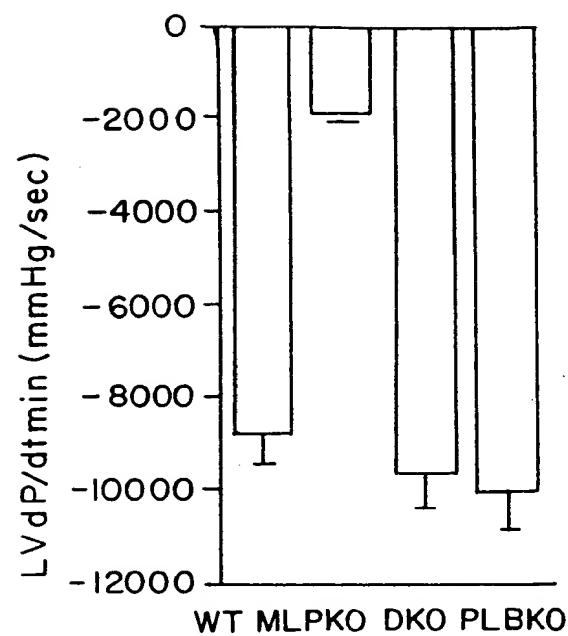


FIG. 2b

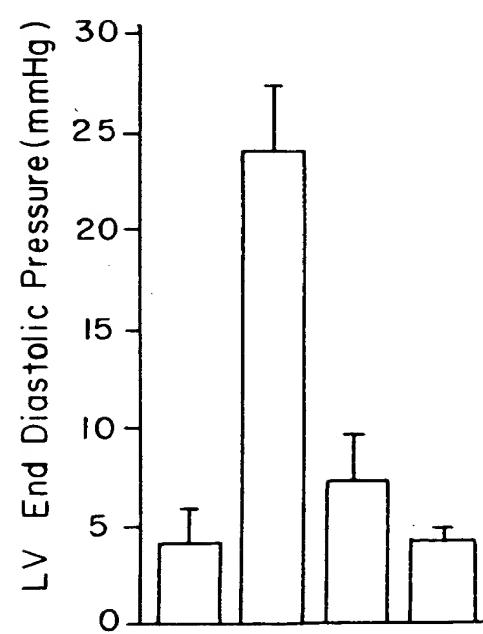


FIG. 2c

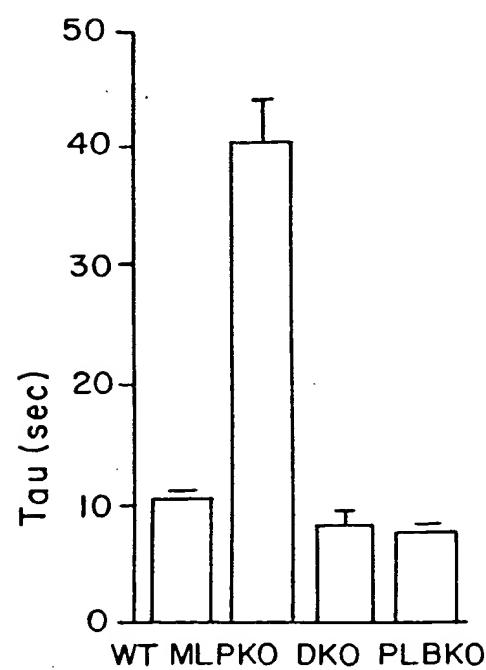


FIG. 2d

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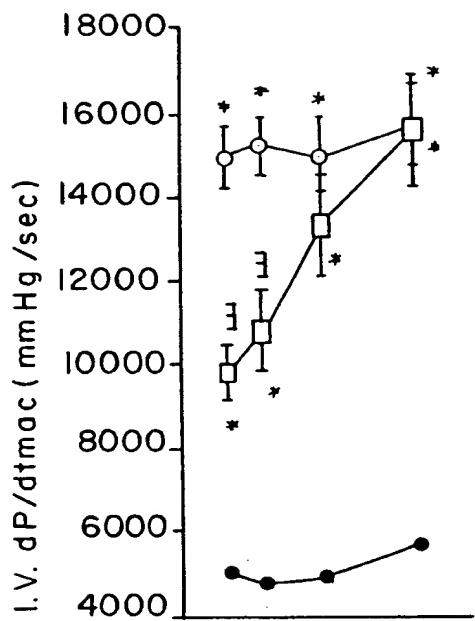


FIG. 2e

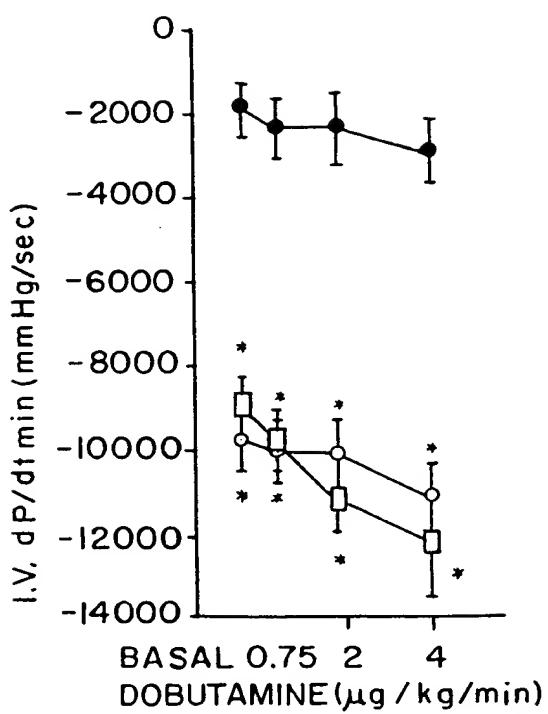


FIG. 2f

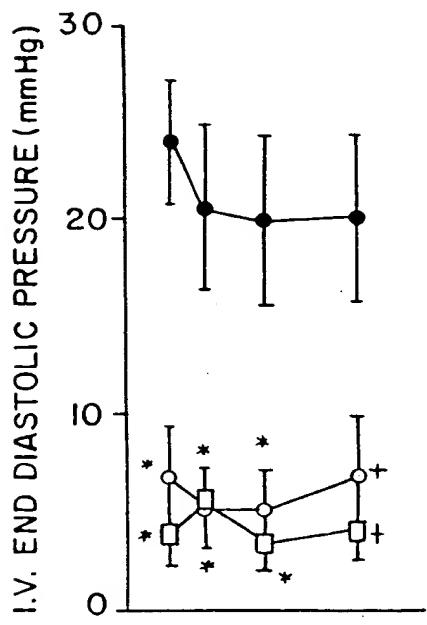


FIG. 2g

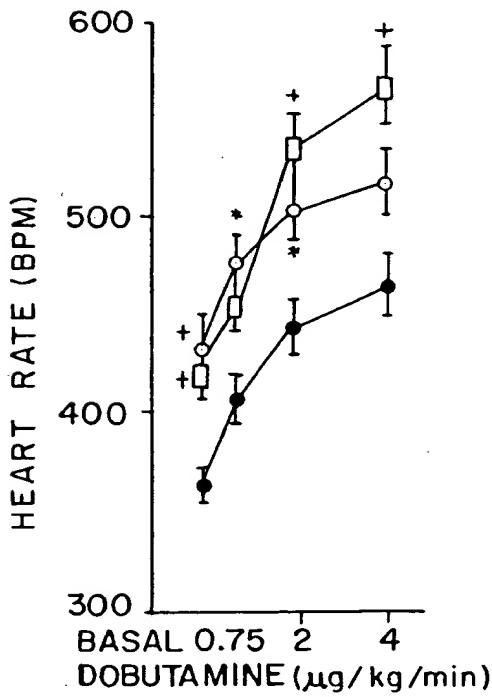


FIG. 2h

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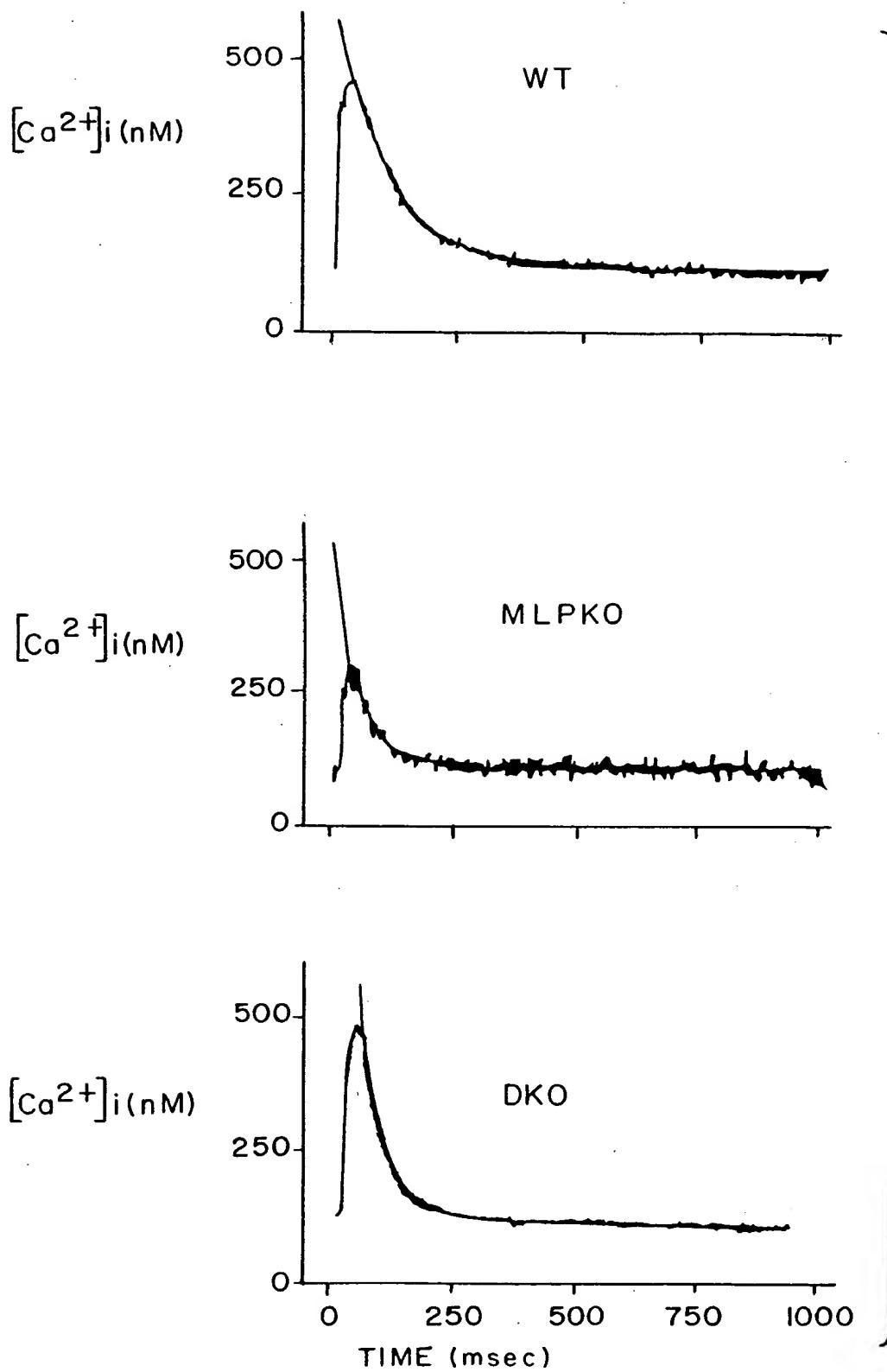


FIG. 3a

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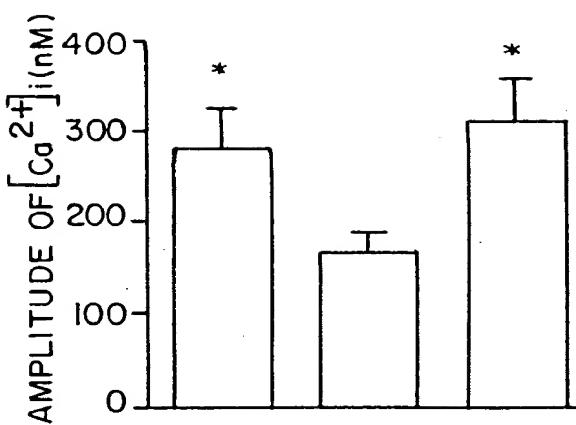


FIG. 3b

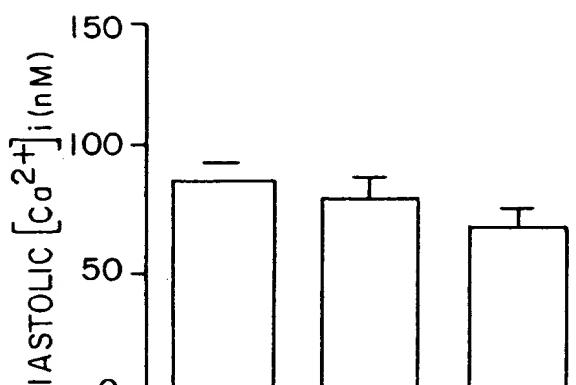


FIG. 3c

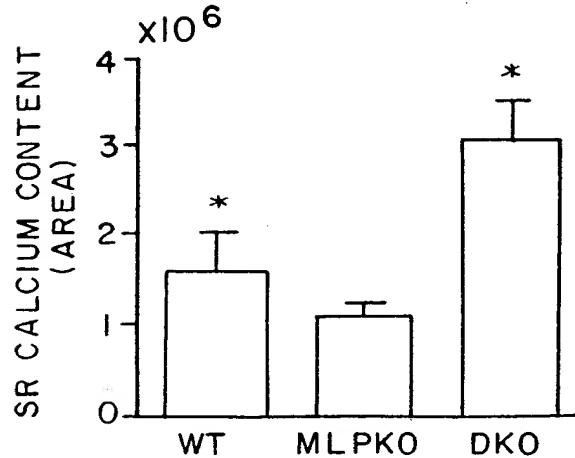


FIG. 3d

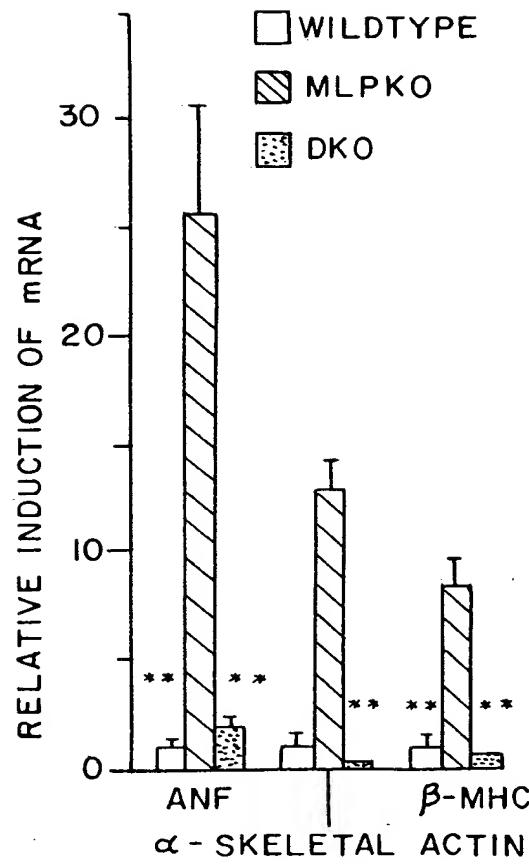


FIG. 4b

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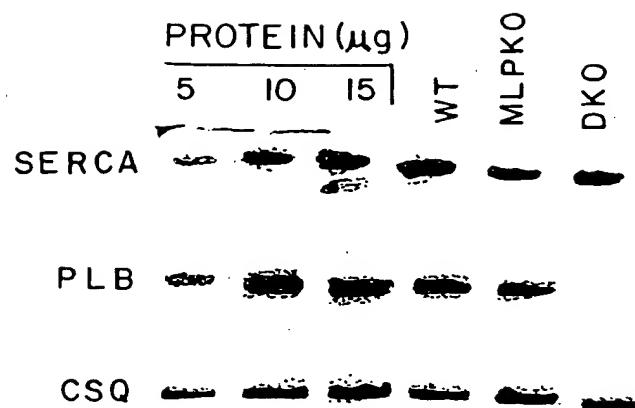


FIG. 3e

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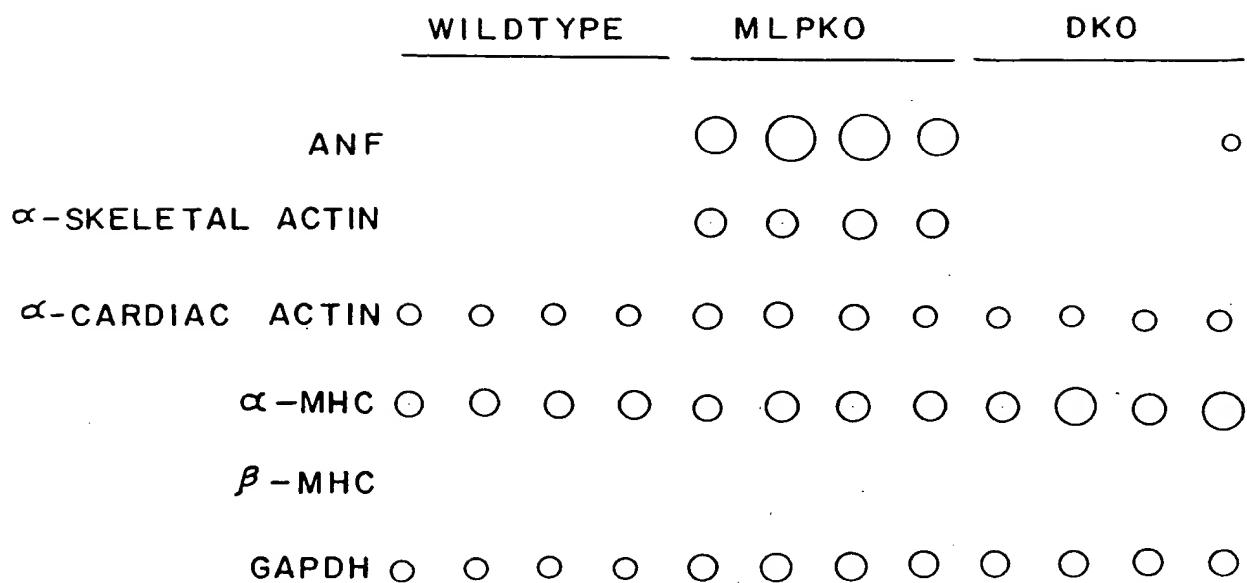


FIG. 4a

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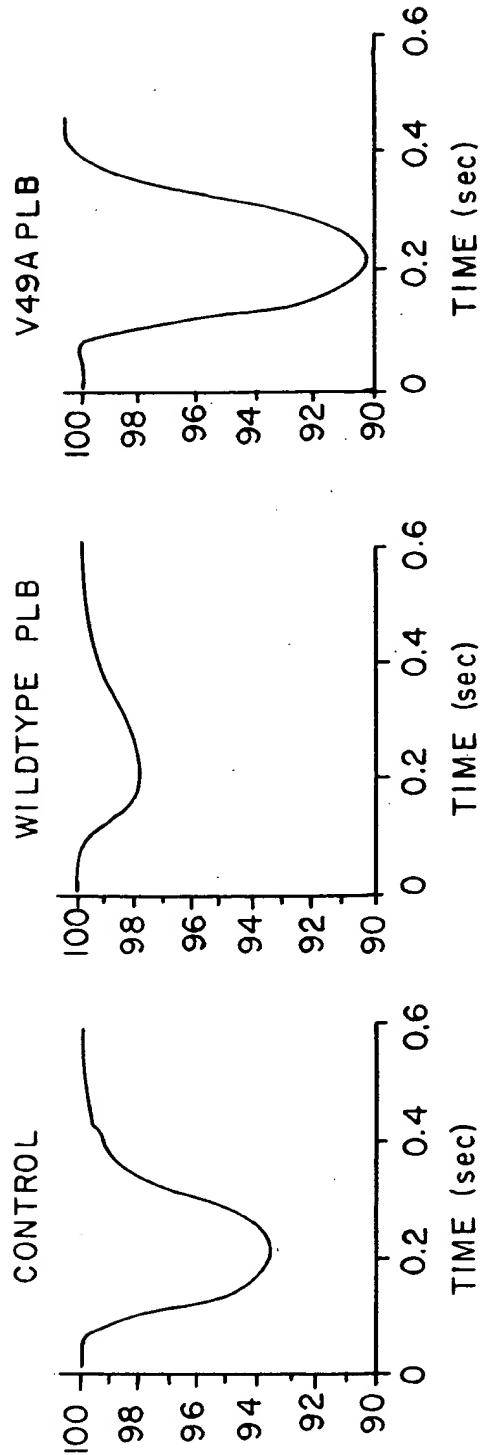


FIG. 5a

	CONTROL n=7	WILDTYPE PLB n=3	V49A MUTANT PLB n=4
SHORTENING %	7.20	0.60	3.50
$-dL/dt$ (mm)	88.4	10.3	48.4
$+dL/dt$ (mm)	56.6	6.5	28.1
CELL LENGTH (μm)	104.5	3.1	109.2

FIG. 5b

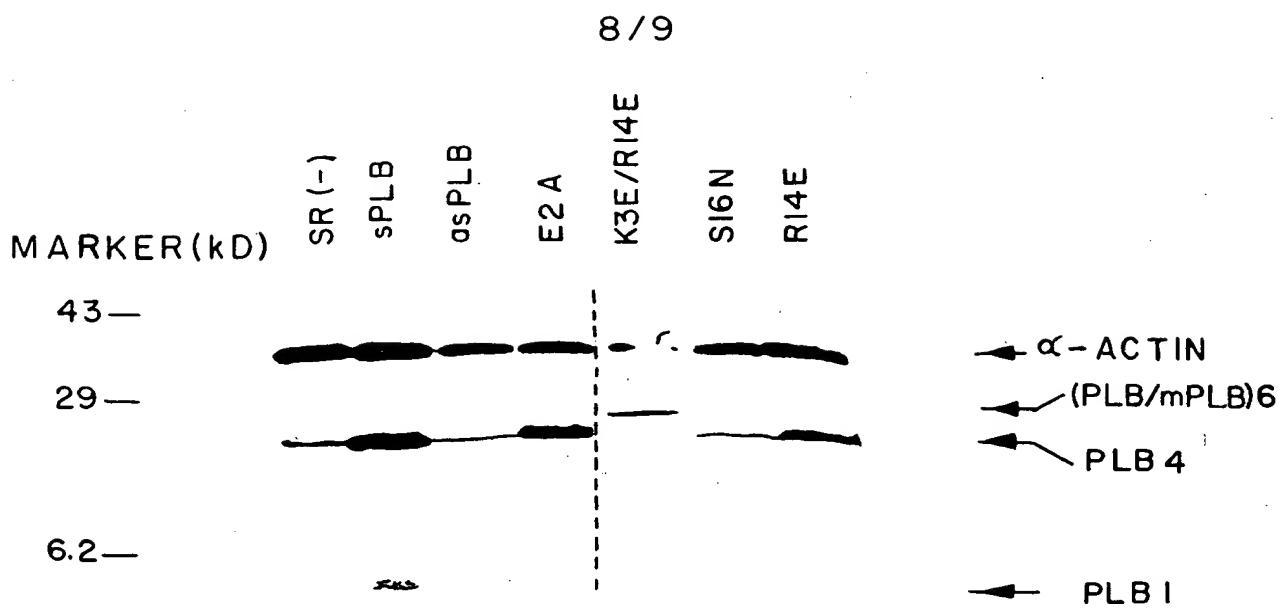


FIG. 6a

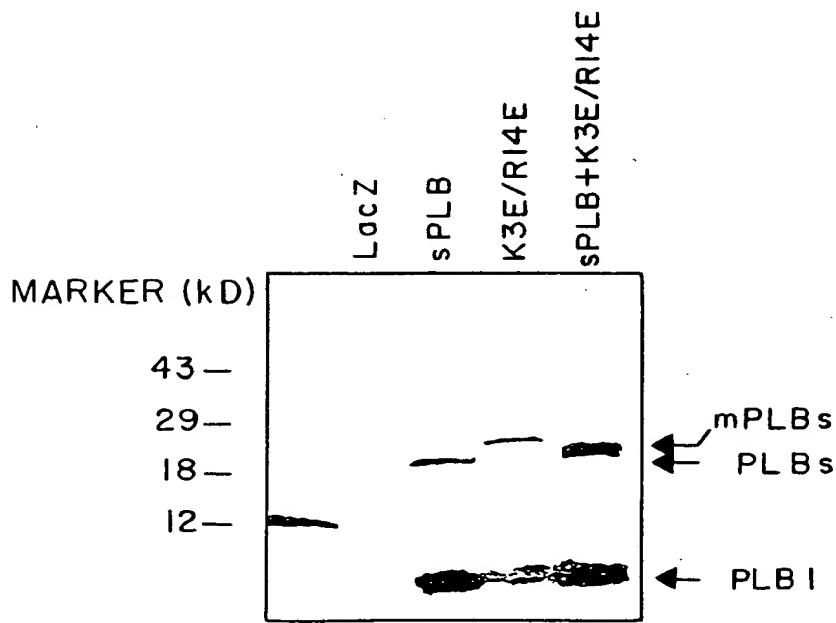
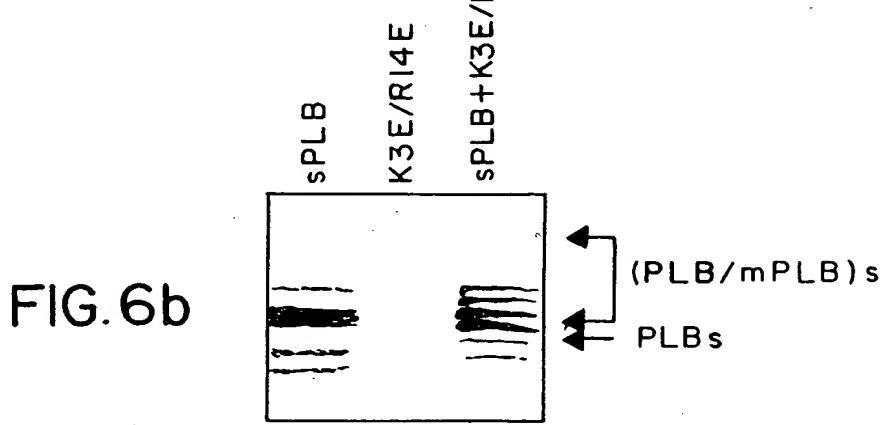


FIG. 6c

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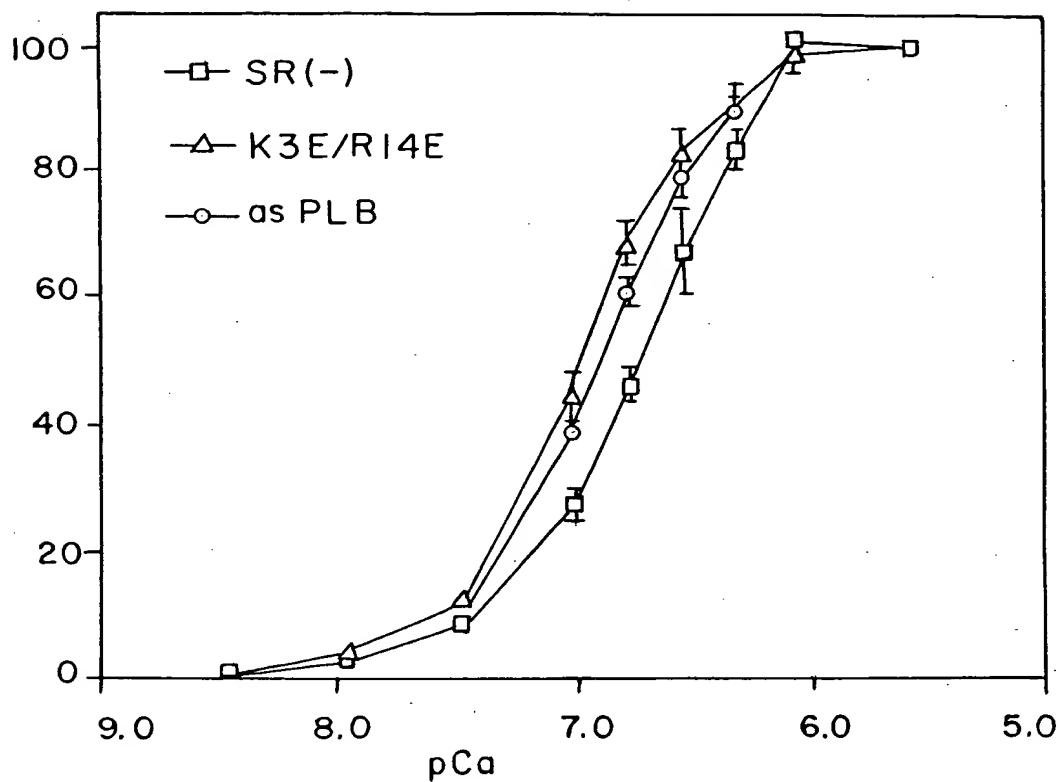


FIG. 7

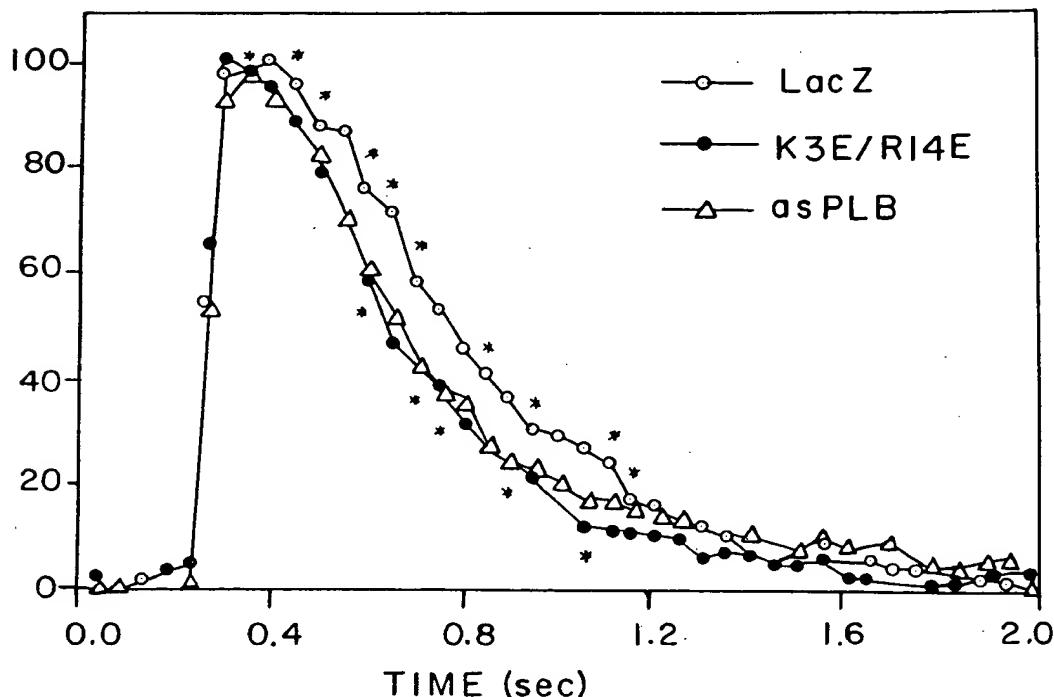


FIG. 8